



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604**

DATE: DEC 04 2017
SUBJECT: CLEAN AIR ACT INSPECTION REPORT
OmniSource Corporation, Indianapolis, Indiana
FROM: Kenneth Ruffatto, Environmental Engineer
AECAB (IL/IN)
THRU: Nathan Frank, Section Chief
AECAB (IL/IN)
TO: File

BASIC INFORMATION

Facility Name: OmniSource Corporation

Facility Location: 2205 S Holt Road, Indianapolis, Indiana

Date of Inspection: November 8, 2017

EPA Inspector(s):

1. Kenneth Ruffatto, Environmental Engineer
2. Victoria Nelson, Environmental Engineer
3. Scott Connolly, Environmental Engineer

Other Attendees

1. Jorge Cirnigliaro, IDEM
2. Andrew Mallory, Safety Manager, OmniSource
3. Jerry Andrews, Southern Indiana Division Manager, OmniSource

Purpose of Inspection: Assess compliance with Clean Air Act regulations

Facility Type: Scrap Yard

Regulations Central to Inspection: 40 CFR Part 82: Protection of Stratospheric Ozone

Arrival Time: 1:45 PM EST

Departure Time: 3:20 PM EST

Inspection Type:

- ☒ Unannounced Inspection
- ☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from Mr. Mallory or Mr. Andrews unless otherwise noted.

Process Description:

OmniSource Corporation (OmniSource) accepts metal scrap for further processing in addition to the following: white goods/appliances, vehicles, vehicle air conditioning (A/C) radiators, and refrigeration components. OmniSource does have a refrigerant recovery system on-site which can recover refrigerants from both motor vehicle A/Cs and appliances. The facility sorts the reclaimed refrigerants into different canisters by type. The refrigerant canisters are put on a pallet and shipped out to Golden Refrigerants. Once the appliance is evacuated of refrigerants it is marked with an "X".

OmniSource accepts materials from the general public (about 1-2% of incoming material), but all material brought on-site goes through a recovery area except shipments from other OmniSource locations.

OmniSource accepts autobodies, but they are stripped before being sent to the shredder. Autobodies are also the only material stream that is consistent. There are four torch cutting stations used primarily for larger scrap to break it down before adding it to the shredder. OmniSource has an American Pulverizer shredder with a 6,000 horsepower DC electric motor and a Wynt downstream. The shredder has a capacity of 180-190 tons of material in of which approximately 25-30% of the material are cars. The facility uses a smart water system for particulate control at the shredder. Shredded metal passes through magnets, a Z-box, and cyclone for material separation. Non-ferrous materials are sent to the downstream processes to separate metals by type and to remove fluff. The shredder produces 1.5-2 million pounds a month of fluff.

Two drum magnets are used to separate non-ferrous metals. Wire separation is also done, but wires are not granulated.

Staff Interview: Facility staff stated that spot checks of incoming trucks for nonconforming items occur twice a day. They do not accept propane tanks unless the valves have been removed or the tank is punctured. However, there are occasional explosions in the shredder about one to two times a month. Facility staff stated that there is occasional smoke from torch cutting usually from cutting metals shreds that have oxidation. OmniSource uses a fire rover system in their fluff bin to monitor for high temperatures and uses foam and water to subdue any fires.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

EPA noticed that the roads on-site were dusty. Facility staff stated that they operated a sweeper truck that cleans the roads at multiple facilities and was not on site at the time. Torch cutting also produced a brown smoke. The shredder was not operating on the day of the inspection.

Photos and/or Videos: were not taken during the inspection.

Field Measurements: were not taken during this inspection.

RECORDS REVIEW

No records reviewed on-site.

CLOSING CONFERENCE

Requested documents:

- Air Emissions Testing

SIGNATURES

Report Author: Kenan Ruffin Date: 11/16/2017

Section Chief: [Signature] Date: 12/4/17